Subgeneric taxonomy and nomenclature of the genus Hypselotriton Wolterstorff, 1934 (Amphibia, Urodela)

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Two subgenera were recently recognized in the newt genus Hypselotriton Wolterstorfi, 1934. The nucleospecies of the subgenus Pringia Chang. 1935, described as Pachytriton granulosus Chang. 1933, was recently shown not to be a member of this genus but a synonym of Pachytriton labitats (Unterstein, 1930). A new nomen is therefore proposed for this subgenus which includes three species: Hypselotriton judingensis (Wu, Wang, Jiang & Hanken, 2010), Hypselotriton orientalis (David, 1875) and Hypselotriton orphicus (Risch, 1983).

In a previous paper (DUBOIS & RAFFAILLI, 2009), we proposed a new taxonomy of the urodelan family Satistannun if. Goldfuss, 1820, in which we restricted the former genus Cynops Tschudi, 1838 to the Japanese species, whereas we placed all Chinese species in the genus Hypseloti iton Wolterstorff, 1934. Within this latter genus, we recognized two subgenera, corresponding to the two species-groups identified by ZHAO & HL (1984, 1988) The subgeneric hyponymous (nominotypical) nomen Hypselotriton, the nucleospecies (typespecies) of which is Molge nolterstor ffi Boulenger, 1905 by original designation, applies to the subgenus including the species Hypselotriton chenggongensis (Kou & Xing, 1983), Hypselotriton (yonurus (Liu, Hu & Yang, 1962) with its two subspecies, and Hypselotriton wolterstorffi (Boulenger, 1905). For the second subgenus, including the species Hypselatriton orientalis (David, 1875) and Hypselotriton orphicus (Risch, 1983), we used the generic nomen Pingia Chang, 1935 This nomen is based on the nucleospecies Pachviriton granulosus Chang, 1933, the holotype of which was lost and the taxonomic status of which was long disputed. How et al. (2009) had designated a neotype and provided a redescription of this species, which they considered close to, although distinct from, Hypselotration orientalis, so that we recognized three species in the subgenus Pingia of Hypselotriton.

Shortly after however, NISHIKAWA et al. (2009) provided a detailed study of morphological variation in the species *Pachytrition labuatus* (Unterstein, 1930) and concluded that the

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lost holotype and the neotype of *Pachytriting granulosus* belonged in fact in the latter species. The confusion was due to the fact that the juvenile phenotype of *Pachytritin labitatus* is very different from its adult phenotype. The specific normen *Pachytriting granulosus* then becomes an invalid junior synonym of *Pachytritin labitatus*, and the generic normen *Pangu* an invalid junior synonym of *Pachytritin*.

This finding leaves the second subgenus of *Hypselotriton* unnamed Besides the two species *Hypselotriton orientalis* and *Hypselotriton orphicus*, it includes the species *Hypselotriton fulningenis* recently described by We et al. (2010). As no genus-series nomen is available for it, we hereby provide a nomen for this subgenus. The entexognosis, the diagnosis and the diognosis we give to fins taxon follow the same plans and should be compared with those of the subgenus *Hypselotriton* in Dunois & RAFFALLLI (2009: 45–48).

Subgenus Cynotriton nov

Nucleospecies. Triton (Cynopy) orientalis David, 1875, by present designation

Etymology. From the Greek kunos, genitive of kuon ("dog") and generic nomen Triton Laurenti, 1768.

Grammatical gender. - Masculine.

Entexognosis. - The most inclusive holophyletic taxon including the species Hypselatrition orientialis (David, 1875) and excluding the species Hypselatrition wolterstarffi (Boulenger, 1905).

Diagnosis (1) Frontal process of premaxillary short. (2) Parotoid glands well developed. (3) Tubercules on external side of hands and feet absent (4) Skin slightly to very granular (5) Adaptability in terrarrum high (6) Altitudinal distribution low (0) 1000 m).

Idiognovis. (1) TL 70-90 mm. (2) Habitus stout Trunk almost quadrangular Parotoids well developed. Skin sightly to very granular. (3) Dorsal coloration dull, sometimes with bright (red) spots or bands. Ventral coloration very bright, red (4) Sex dimorphism strong, male small. (5) Mainly aquatic, in lentic habitat. (6) Adaptability in terrarium high, with tolerance of a large gradient of temperature (5 25°C) (7) Eastern China. (8) No tubercules on the external side of hands and feet.

Content. Hypselotriton (Cynotriton / Judangensis (Wu, Wang, Jiang & Hanken, 2010), Hypselotriton (Cynotrition) orientalis (David, 1875); Hypselotrition (Cynotriton) orphicus (Risch, 1983).

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